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|   |                      |                        |         |
|---|----------------------|------------------------|---------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) | Application Number   | 09/677,227             |         |
|   | Filing Date          | 9/29/2000              |         |
|   | First Named Inventor | Najand, Shahriar       |         |
|   | Examiner Name        | Unknown                |         |
|   | Art Unit             | Unknown                |         |
| Total Number of Pages in This Submission  | 17                   | Attorney Docket Number | 0190148 |

| ENCLOSURES (check all that apply)   |   |  |
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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>1. Conexant Assignment (6 pages)<br>2. Pictos Assignment (8 pages)<br>3. Postcard |
| Remarks   |   |  |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

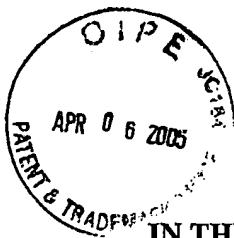
|                         |  |
|-------------------------|--|
| Firm or Individual name | Farshad Farjani, Esq., Reg. No. 41,014 |
| Signature               | Farjani & Farjani, LLP                 |
| Date                    | 3/31/05                                |

## CERTIFICATE OF MAILING

|   |               |      |          |
|---|---------------|------|----------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. |               |      |          |
| Type or printed name  | Lesley L. Lam |      |          |
| Signature   |               | Date | 4/4/2005 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Application Serial No.: 09/677,227  
Attorney Docket No.: 0190148

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|   |                                      |
|---|--------------------------------------|
| <b>Applicant(s): Najand, Shahriar</b>             | <b>Group Art Unit: Unknown</b>       |
| <b>Application Serial No.: 09/677,227</b>         | <b>Examiner: Unknown</b>             |
| <b>Filed: September 29, 2000</b>                  |                                      |
| <b>Title: Digital Image Cross Talk Correction</b> | <b>Customer Number: <u>25700</u></b> |

**REVOCATION AND POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

Applicant of the above-identified patent application hereby revokes all previous powers of attorney given in this application and appoints Michael Farjami, Reg. No. 38,135; Farshad Farjami, Reg. No. 41,014, both attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments thereto, to receive communications from the Patent and Trademark Office and to transact all business in the Patent and Trademark Office connected therewith.

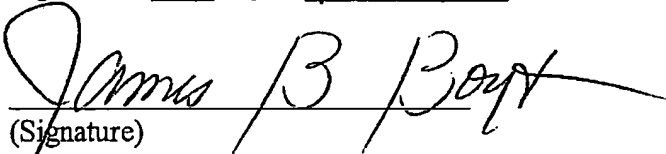
Please direct all communications to:

Farshad Farjani, Esq.  
FARJAMI & FARJAMI LLP  
26522 La Alameda Ave., Suite 360  
Mission Viejo, California 92691  
Tel: (949) 282-1000  
Fax: (949) 282-1002

Customer Number: 25700

ESS Technologies International, Inc., certifies that it is the assignee of the entire right, title, and interest in the patent application identified above, as shown in the attached copy of assignment from Conexant Systems, Inc. to Pictos Technologies, Inc., and a copy of assignment from Pictos Technologies, Inc. to ESS Technologies International, Inc. The undersigned, whose title is supplied below, is authorized to act on behalf of assignee (37 CFR §3.73(b)).

Signed this 29th day of March, 2005



(Signature)

On behalf of ESS Technologies International, Inc.

James B. Boyd

(Print Name)

Chief Financial Officer

(Title)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service "First Class Mail Post Office to addressee" under 37 C.F.R. Sec. 1.10 addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on 4/4/2005.

LESLIE L. LAM

Name

Signature 

**APPENDIX F**  
**PATENT ASSIGNMENT**  
**UNITED STATES PATENT ASSIGNMENT**

This Assignment is made as of the \_\_\_ day of \_\_\_\_\_, 2002 by CONEXANT SYSTEMS, INC, a Delaware corporation having a principal place of business at 4311 Jamboree Road, Newport Beach, California 92660 (hereinafter referred to as the "ASSIGNOR"), to PICTOS TECHNOLOGIES, INC., a Delaware corporation having a principal place of business at \_\_\_\_\_ (hereinafter referred to as the "ASSIGNEE").

WHEREAS, the ASSIGNOR is the owner of those U.S. patents and patent applications listed on Schedule A attached hereto (hereinafter collectively referred to as the "PATENTS"); and

WHEREAS, the ASSIGNEE is desirous of acquiring the entire right, title, and interest of ASSIGNOR in and to said PATENTS.

NOW, THEREFORE, for good and valuable consideration paid by the ASSIGNEE pursuant to that certain Formation Agreement between ASSIGNOR and ASSIGNEE and third parties dated May 3, 2002, receipt of which is hereby acknowledged, the ASSIGNOR does hereby agree as follows:

1. Assignment. ASSIGNOR hereby sells, assigns, transfers, and sets over to the ASSIGNEE and its successors and assigns all of ASSIGNOR's worldwide right, title, and interest in and to the PATENTS, including, without limitation, all (i) reissues, divisions, renewals, extensions, provisionals, continuations, and continuations-in-part of the PATENTS, (ii) causes of action, and enforcement rights for the PATENTS, including all rights to pursue damages, injunctive relief, and other remedies for infringement of the PATENTS, and (iii) rights to apply in any or all countries of the world for patents, certificates of invention, or other governmental grants for the PATENTS, including without limitation under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding. Notwithstanding the foregoing, ASSIGNOR expressly reserves and retains any rights ASSIGNOR may have to assert claims and recover damages for infringement of any of the PATENTS that occurred prior to July 1, 2002.

2. Authorization. ASSIGNOR also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the PATENTS in the name of ASSIGNEE, as the ASSIGNEE to the entire interest therein.

3. Miscellaneous. The terms and conditions of this Assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, its successor, assigns and other legal representatives.

IN WITNESS WHEREOF, the ASSIGNOR has caused this Assignment to be executed by a duly authorized officer.

CONEXANT SYSTEMS, INC.

By: [Signature]

Date: July 1, 2002

ACKNOWLEDGEMENT

STATE OF California

COUNTY OF Orange ) SS

Be it remembered on this 1 day of July, 2002, before me, the subscriber, a Notary Public authorized to take acknowledgements and proofs in said county and state, personally appeared Scott Blom, to me known, who being by me duly sworn according to law, on his/her oath does depose and make proof of my satisfaction that he/she was at the time of the execution thereof the CAO of Conexant Systems, Inc., the assignor in the foregoing instrument; and that he/she signed, sealed and delivered the instrument as the voluntary act and deed of said corporation, by virtue of his/her authority.



[Signature]  
Notary Public

SCHEDULE A  
PATENTS

| Docket No.          | Patent No. /<br>Serial No. | Filing/Issue<br>Date     |
|---------------------|----------------------------|--------------------------|
| 97RSS423            | [09/042,124]<br>6,256,350  | 3/13/1998<br>7/3/2001    |
| 92SC044             | 5,440,079<br>(08/080,805)  | 6/21/1993<br>8/8/1995    |
| 93SC029             | 5,381,054<br>[08/163,315]  | 12/7/1993<br>1/10/1995   |
| 94E078              | 5,706,369<br>(456,137)     | 5/31/1995<br>1/6/1998    |
| 94SC003             | 5,572,074<br>(469,989)     | 06/06/1995<br>11/05/1996 |
| 94SC082             | 5,502,299<br>[354,348]     | 12/12/1994<br>03/26/1996 |
| 95SC097             | 5,892,540<br>[08/662,362]  | 06/13/1996<br>04/06/1999 |
| 96E083              | 5,932,875<br>[08/888,817]  | 07/07/1997<br>08/03/1999 |
| 96SC028<br>98RSS221 | 5,929,434<br>[08/910,342]  | 08/13/1997<br>07/27/1999 |
| 98RSS353            | 6,153,955<br>[09/283,175]  | 4/1/1999<br>11/28/2000   |
| 97SC088             | 09/081,541                 | 5/19/1998                |
| 00CXT0653I<br>PRO   | [60/159,000]               | 10/7/1999                |
| 00CXT0653I          | [09/679,854]               | 10/5/2000                |
| 00CXT0652I          | [09/188,831]               | 11/3/1998                |
| 00CXT0651I          | [09/188,871]               | 11/9/1998                |
| 00CXT0650I          | [09/267,337]               | 3/12/1999                |
| 00CXT0649I          | [09/188,996]               | 11/9/1998                |
| 00CXT0648I<br>PRO   | [60/192,008]               | 3/24/2000                |
| 00CXT0648I          | 09/816,038                 | 3/22/2001                |
| 00CXT0520I          | [09/680,041]               | 10/5/2000                |
| 00CXT0456I          | [09/679,857]               | 10/5/2000                |
| 00CXT0442I          | 09/904,980                 | 7/12/2001                |

| Docket No.   | Parent No.<br>Serial No. | Filing/Issue<br>Date |
|--------------|--------------------------|----------------------|
| 00CXT0441I   | 09/823,882               | 3/31/2001            |
| 00CXT0435I   | 09/795,033               | 2/26/2001            |
| 00CXT0433I   | [09/733,788]             | 12/7/2000            |
| 00CXT0429I   | [09/731,640]             | 12/7/2000            |
| 00CXT0427I   | 09/801,401               | 3/7/2001             |
| 00CXT0426I   | 09/815,584               | 3/23/2001            |
| 00CXT0422I   | [09/672,987]             | 9/29/2000            |
| 00CXT0355T   | 09/885,433               | 6/18/2001            |
| → 00CXT0340I | [09/677,227]             | 9/29/2000            |
| 00CXT0320T   | [09/680,037]             | 10/5/2000            |
| 00CXT0319T   | [09/680,036]             | 10/5/2000            |
| 00CXT0318I   | [09/676,538]             | 9/29/2000            |
| 00CXT0299T   | (09/823,941)             | 3/31/2001            |
| 00CXT0248T   | 09/900,732               | 6/6/2001             |
| 00CXT0209I   | 09/882,576               | 6/14/2001            |
| 99SC027      | [09/468,696]             | 12/21/1999           |
| 99RSS495     | 09/742,786               | 12/20/2000           |
| 99RSS250     | [09/408,454]             | 9/30/1999            |
| 99RSS249     | [09/410,210]             | 9/30/1999            |
| 99RSS178     | 09/852,397               | 5/9/2001             |
| 99RSS168     | 09/239,925               | 5/9/2001             |
| 99RSS060     | [09/295,699]             | 4/21/1999            |
| 98SC106      | [09/408,919]             | 9/30/1999            |
| 98RSS367     | [09/557,454]             | 4/24/2001            |

| Docket No.     | Parent No. /<br>Serial No. | Filing/Issue<br>Date |
|----------------|----------------------------|----------------------|
| 98RSS148       | [09/407,501]               | 9/28/1999            |
| 98RSS147       | [09/407,556]               | 9/28/1999            |
| 98RSS146       | [09/407,741]               | 9/28/1999            |
| 98RSS144       | [09/409,525]               | 9/30/1999            |
| 98RSS142       | [09/407,395]               | 9/28/1999            |
| 98RSS139       | [09/408,810]               | 9/29/1999            |
| 98RSS133       | [09/371,491]               | 8/10/1999            |
| 98RSS100       | [09/110,812]               | 7/6/1998             |
| 97SC089        | [09/149,937]               | 9/9/1998             |
| 97SC089<br>CIP | [09/164,923]               | 10/1/1998            |
| 97SC087        | [09/057,423]               | 4/8/1998             |
| 97SC033        | [09/057,202]               | 4/8/1998             |
| 97SC033        | [09/268,913]               | 3/16/1999            |
| 97RSS521       | [09/676,551]               | 9/29/2000            |
| 97RSS519       | [09/676,998]               | 9/29/2000            |
| 97RSS517       | [09/062,343]               | 4/17/1998            |
| 97RSS476       | [09/538,889]               | 3/30/2000            |
| 97RSS467       | [09/408,198]               | 9/29/1999            |
| 97RSS320       | [09/056,573]               | 4/7/1998             |
| 97RSS305       | [09/042,142]               | 3/13/1998            |



| Docket No. | Parent No. /<br>Serial No. | Filing/Issue<br>Date |
|------------|----------------------------|----------------------|
| 97RSS184   | [09/034,819]               | 3/4/1998             |
| 96E096     | [09/406,964]               | 9/28/1999            |
| 01CXT0217I | 09/977,444                 | 10/15/2001           |
| 00CXT0610I | 10/004,909                 | 11/2/2001            |
| 00CXT0467I | 09/944,938                 | 8/30/2001            |
| 00CXT0465I | 09/982,540                 | 10/17/2001           |
| 00CXT0450I | 09/935,231                 | 10/22/2001           |
| 00CXT0415I | 09/949,688                 | 9/5/2001             |

ASSIGNMENT FOR PATENT

WHEREAS:

Pictos Technologies, Inc. a corporation organized and under the laws of the State of Delaware, having the address of 4311 Jamboree Road Newport Beach, CA 92660

(hereinafter referred to as ASSIGNOR(S)), owns an interest in, to and under inventions listed in Appendix A, and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries for which applications for Letters Patent of the United States have been filed on dates listed in Appendix A, and

WHEREAS:

ESS Technologies International, Inc., a corporation organized and under the laws of the Cayman Islands having a place of business at 48401 Fremont Blvd. Fremont, CA 94538

(hereinafter referred to as ASSIGNEE), is desirous of acquiring ASSIGNOR'S entire interest in, to and under said inventions and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discoveries or inventions in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discoveries or inventions to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discoveries or inventions and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discover or invention, and execute and deliver and all lawful papers that may be necessary or desirable to perfect the title to the said discoveries or inventions, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that it reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or re-filings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discover in all countries, and without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Assignor's signature: \_\_\_\_\_

Fred S.L. Chan

6/25/2004

Citizenship: \_\_\_\_\_

USA

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 25 day of June, 2004

STATE OF ) CALIFORNIA

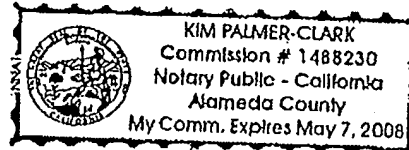
ss.:

COUNTY OF ) Alameda

On this 25 day of June, 2004, before me, the undersigned authority, personally appeared to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposes therein specified.

Kim Palmer-Clark

Notary Public



# APPENDIX A

## ISSUED PATENTS

| Patent No. | Title  | Inventor           | Reel/Frame No.     | Date of Recordation |
|------------|--|--------------------|--------------------|---------------------|
| 5,381,054  | Multiple input comparator circuit for a switched resistive network                           | Standley; David L  | 013699/0267        | 01/29/2003          |
| 5,440,079  | Object-background discrimination using analog VLSI circuit                                   | Mathur , et al.    | 013699/0267        | 01/29/2003          |
| 5,502,299  | Current ratio circuit for multi-color imaging  | Standley; David L. | 013699/0267        | 01/29/2003          |
| 5,572,074  | Compact photosensor circuit having automatic intensity range control                         | Standley; David L. | 013699/0267        | 01/29/2003          |
| 5,572,643  | Web browser with dynamic display of information objects during linking                       | Judson; David H.   | 011911/0220 (ZING) | 06/19/2001          |
| 5,706,369  | Base-n resolution converter  | Wang , et al.      | 013699/0267        | 01/29/2003          |
| 5,892,540  | Low noise amplifier for passive pixel CMOS imager  | Kozlowski , et al. | 013699/0267        | 01/29/2003          |
| 5,929,434  | Ultra-low noise high bandwidth interface circuit for single-photon readout of photodetectors | Kozlowski , et al. | 013699/0267        | 01/29/2003          |
| 5,932,875  | Single piece integrated package and optical lid  | Chung , et al.     | 013699/0267        | 01/29/2003          |
| 6,040,567  | Method and device for controlling fast periodic motion                                       | Neher , et al.     | 013496/0589        | 08/14/2002          |
| 6,153,955  | Implementing comprehensive PID engine with single bit adder                                  | Cheung , et al.    | <u>013496/0589</u> | 08/14/2002          |
| 6,256,350  | Method and apparatus for low cost line-based video compression of digital video stream data  | Bishay , et al.    | <u>013496/0589</u> | 08/14/2002          |
| 6,271,884  | Image flicker reduction with fluorescent lighting  | Chung , et al.     | <u>013496/0589</u> | 08/14/2002          |

| Patent No. | Title   | Inventor           | Recl. Drame No.                 | Date of Recordation |
|------------|---|--------------------|---------------------------------|---------------------|
| 6,305,853  | Camera utilizing film and reflective imager   | Bishay , et al.    | 013496/0589                     | 08/14/2002          |
| 6,437,826  | Digital video teleconferencing camera system having a base                                    | Arnold; Thomas A.  | 013209/0732                     | 08/22/2002          |
| 6,441,453  | Clear coating for digital and analog imagers  | Tindle; Gary D.    | 011805/0861<br>(CONEXANT)       | 05/09/2001          |
| 6,441,857  | Method and apparatus for horizontally scaling computer video data for display on a television | Wicker , et al.    | 013496/0589                     | 08/14/2002          |
| 6,462,781  | Foldable teleconferencing camera  | Arnold; Thomas A.  | 013209/0732                     | 08/22/2002          |
| 6,486,522  | Light sensing system with high pixel fill factor  | Bishay , et al.    | 013496/0589                     | 08/14/2002          |
| 6,493,030  | Low-noise active pixel sensor for imaging arrays with global reset                            | Kozlowski , et al. | 013496/0589                     | 08/14/2002          |
| 6,498,331  | Method and apparatus for achieving uniform low dark current with CMOS photodiodes             | Kozlowski , et al. | 013496/0589                     | 08/14/2002          |
| 6,507,364  | Edge-dependent interpolation method for color reconstruction in image processing devices      | Bishay , et al     | 012273/0217<br>(CONEXANT)       | 11/05/2001          |
| 6,532,040  | Low-noise active-pixel sensor for imaging arrays with high speed row reset                    | Kozlowski , et al. | 012273/0217<br>(CONEXANT)       | 11/05/2001          |
| 6,534,796  | Integrated circuit optics assembly unit   | Bishay , et al.    | 013496/0589                     | 08/14/2002          |
| 6,535,247  | Active pixel sensor with capacitorless correlated double sampling                             | Kozlowski , et al. | 013496/0589                     | 08/14/2002          |
| 6,563,363  | Switched capacitor comparator network   | Tay; Hiok-Nam      | 013851/0225                     | 03/17/2003          |
| 6,580,456  | Programmable timing generator   | Jacobs; William S. | 009594/0366<br>(SIERRA IMAGING) | 11/09/1998          |
| 6,587,142  | Low-noise active-pixel sensor for imaging arrays with high speed row reset                    | Kozlowski , et al. | 013496/0589                     | 08/14/2002          |

| Patent No. | Title  | Inventor           | Reel/Frame No.                  | Date of Recordation |
|------------|--|--------------------|---------------------------------|---------------------|
| 6,593,607  | Image sensor with enhanced blue response and signal cross-talk suppression                   | Hseih; Blay-Cheng  | 013496/0589                     | 08/14/2002          |
| 6,597,394  | Programmable image transform processor for digital image processing                          | Duncan , et al.    | 009591/0524<br>(SIERRA IMAGING) | 11/09/1998          |
| 6,617,562  | CMOS imager with discharge path to suppress reset noise                                      | Mann; Richard A.   | 011232/0239<br>(CONEXANT)       | 10/05/2000          |
| 6,639,204  | Solid state color imager and method of manufacture   | Mann; Richard A.   | 013851/0225                     | 03/17/2003          |
| 6,677,996  | Real time camera exposure control  | Chung , et al.     | 013496/0589                     | 08/14/2002          |
| 6,697,111  | Compact low-noise active pixel sensor with progressive row reset                             | Kozlowski , et al. | 013851/0225                     | 03/17/2003          |
| 6,744,032  | Arrangement of microlenses in a solid state image sensor for improving signal to noise ratio | Tay; Hiok-Nam      | 013851/0225                     | 03/17/2003          |
| 6,617,562  | CMOS imager with discharge path to suppress reset noise                                      | Mann; Richard A.   | 011232/0239                     | 10/05/2000          |

## PATENT APPLICATIONS

| Application No. | Title   | Inventor        | Reel/Frame No. | Date of Recordation   |
|-----------------|---|-----------------|----------------|-----------------------|
| 09/034,819      | Method and apparatus for compensating for geometric distortion caused by a lensing system in a digital image detector | Pine, Joshua I. | 010885/0931    | 06/02/2000            |
| 09/062,343      | CMOS imaging apparatus  | Ferry et al.    |                | 04/17/1998<br>(filed) |

| Application No. | Title   | Inventor          | Reel/Frame No. | Date of Recordation |
|-----------------|---|-------------------|----------------|---------------------|
| 09/268,913      | Low noise CMOS active-pixel sensor for imaging arrays with high speed global or row reset | Kozlowski et al.  |                | 03/16/1999 (filed)  |
| 09/371,491      | Imager with orientation correction capabilities   | Pine, Josh I.     | 013496/0589    | 08/14/2002          |
| 09/407,395      | Color imager without filter   | Bishay et al.     |                | 9/28/1999 (filed)   |
| 09/407,501      | An integrated camera module   | Bishay et al.     | 013496/0589    | 08/14/2002          |
| 09/407,556      | Hybrid multiple sensor device   | Bishay et al.     | 013496/0589    | 08/14/2002          |
| 09/408,198      | Infrared communication system utilizing receiver with multiple photo-sensors              | Chung, Randall M. | 013496/0589    | 08/14/2002          |
| 09/410,210      | Active pixel sensor with multiplexed photosensing elements readout scheme                 | Hseih, Biay-Cheng |                | 09/30/1999 (filed)  |
| 09/538,889      | Automatic gain control algorithm for pc-based video camera                                | Dong, Blake, M.   | 013496/0589    | 08/14/2002          |
| 09/557,454      | CMOS JFET amplified pixel   | Kozlowski et al.  | 013496/0589    | 08/14/2002          |
| 09/672,987      | Selectable resolution image capture system  | Pine, Joshua I.   | 013496/0589    | 08/14/2002          |
| 09/676,538      | Combined digital image across talk correction and interpolation                           | Najand, Shahriar  | 011178/0767    | 09/29/2000          |
| 09/676,551      | NO FILE   |                   |                |                     |
| 09/676,998      | Exposure control in electromechanical imaging devices                                     | Pine, Joshua I.   | 013496/0589    | 08/14/2002          |
| 09/677,227      | NO FILE   |                   |                |                     |
| 09/679,854      | NO FILE   |                   |                |                     |
| 09/680,036      | NO FILE   |                   |                |                     |
| 09/731,640      | Imaging system for minimizing pixel defects   | Pine, Joshua I.   | 013496/0589    | 08/14/2002          |
| 09/733,788      | Enhanced resolution mode using color image capture device                                 | Pine, Joshua I.   | 013496/0589    | 08/14/2002          |

| Application No. | Title  | Inventor          | Reel/Frame No. | Date of Recordation   |
|-----------------|--|-------------------|----------------|-----------------------|
| 09/742,786      | Automatic detection and correction of pixel defects in solid state imagers                         | Pine, Joshua I.   | 013496/0589    | 08/14/2002            |
| 09/795,033      | Imaging system having selectable interpolation processing  | Pine, Joshua I.   | 013496/0589    | 08/14/2002            |
| 09/801,401      | Imaging system having an image memory between the functional processing system                     | Pine, Joshua I.   | 013496/0589    | 08/14/2002            |
| 09/815,584      | Imaging system having adaptive clocking in response to processing state                            | Pine, Joshua I.   | 013496/0589    | 08/14/2002            |
| 09/823,941      | NO FILE  |                   |                |                       |
| 09/852,397      | Chip On Board (COB) package for CMOS Imager  | Tindle et al.     | 013496/0589    | 08/14/2002            |
| 09/882,576      | NO FILE  |                   |                |                       |
| 09/935,213      | NO FILE  |                   |                |                       |
| 09/935,231      | Semiconductor device for isolating a photodiode to reduce junction leakage and method of formation | Mann, Richard A.  | 013851/0225    | 03/17/2003            |
| 09/949,688      | Off-grid interpolation in image processing   | Bao et al.        | 013496/0589    | 08/14/2002            |
| 09/977,444      | NO FILE  |                   |                |                       |
| 10/016,713      | Method and article of manufacture for micro-lens resulting from multi-stage fabrication technique. | Bencuya, Selim S. | 014081/0620    | 05/16/2003            |
| 10/057,731      | NO FILE  |                   |                |                       |
| 10/072,345      | Imaging system combining multiple still images for higher resolution image output                  | Pine, Joshua I.   |                | 10/25/2001<br>(filed) |
| 10/102,042      | Efficient implementation of a noise removal filter   | Pan, Shien-Tai    | 103022/0288    | 06/24/2002            |
| 10/102,105      | Image resolution conversion using pixel dropping   | Bao et al.        |                | 03/20/2002<br>(filed) |
| 10/102,410      | NO FILE  |                   |                |                       |
| 10/113,545      | NO FILE  |                   |                |                       |
| 10/119,982      | Tapered threshold reset FET for CMOS imagers   | Kozlowski et al.  | 013851/0225    | 03/17/2003            |



| Application No. | Title  | Inventor         | Reel/Frame No. | Date of Recordation |
|-----------------|--|------------------|----------------|---------------------|
| 10/136,268      | NO FILE  |                  |                |                     |
| 10/136,413      | Suppressing radiation charges from reaching dark signal sensor                                     | Mann et al.      | 013851/0225    | 03/17/2003          |
| 10/293,510      | Semiconductor device for isolating a photodiode to reduce junction leakage and method of formation | Mann, Richard A. | 013851/0225    | 03/17/2003          |
| 60/376,690      | NO FILE  |                  |                |                     |
| 60/376,748      | NO FILE  |                  |                |                     |
| 60/376,750      | NO FILE  |                  |                |                     |
| 60/376,751      | NO FILE  |                  |                |                     |

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